

FIG.1

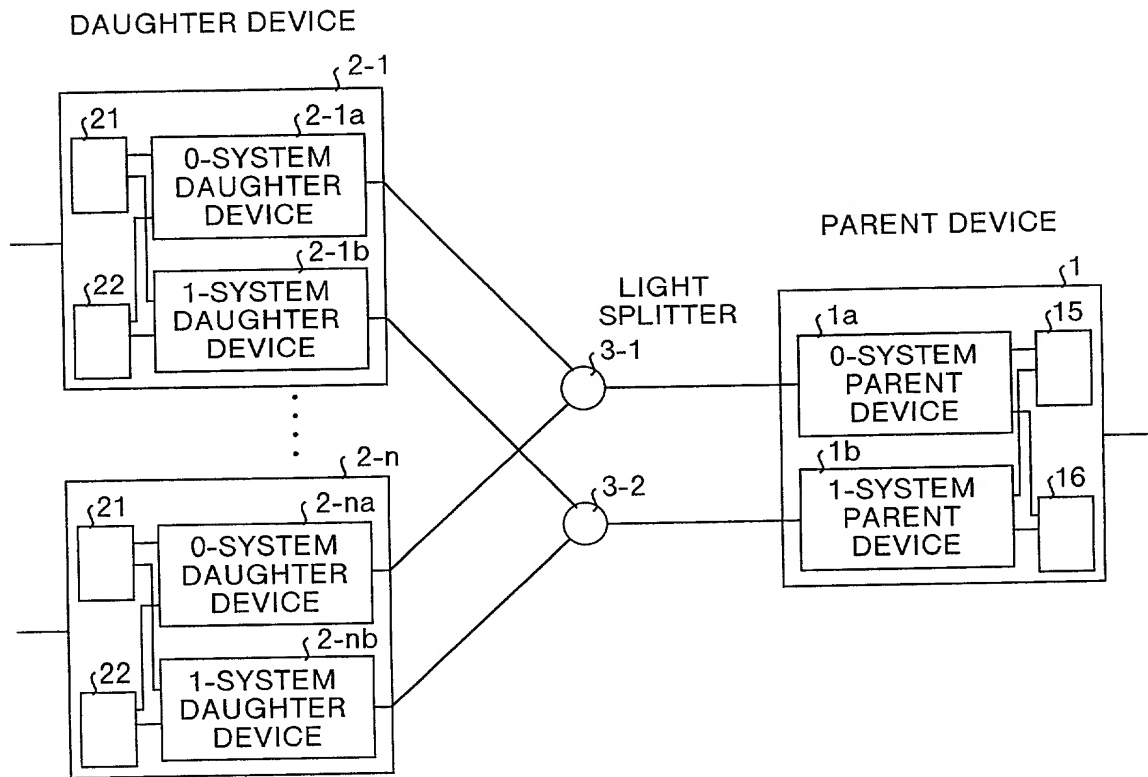


FIG.2

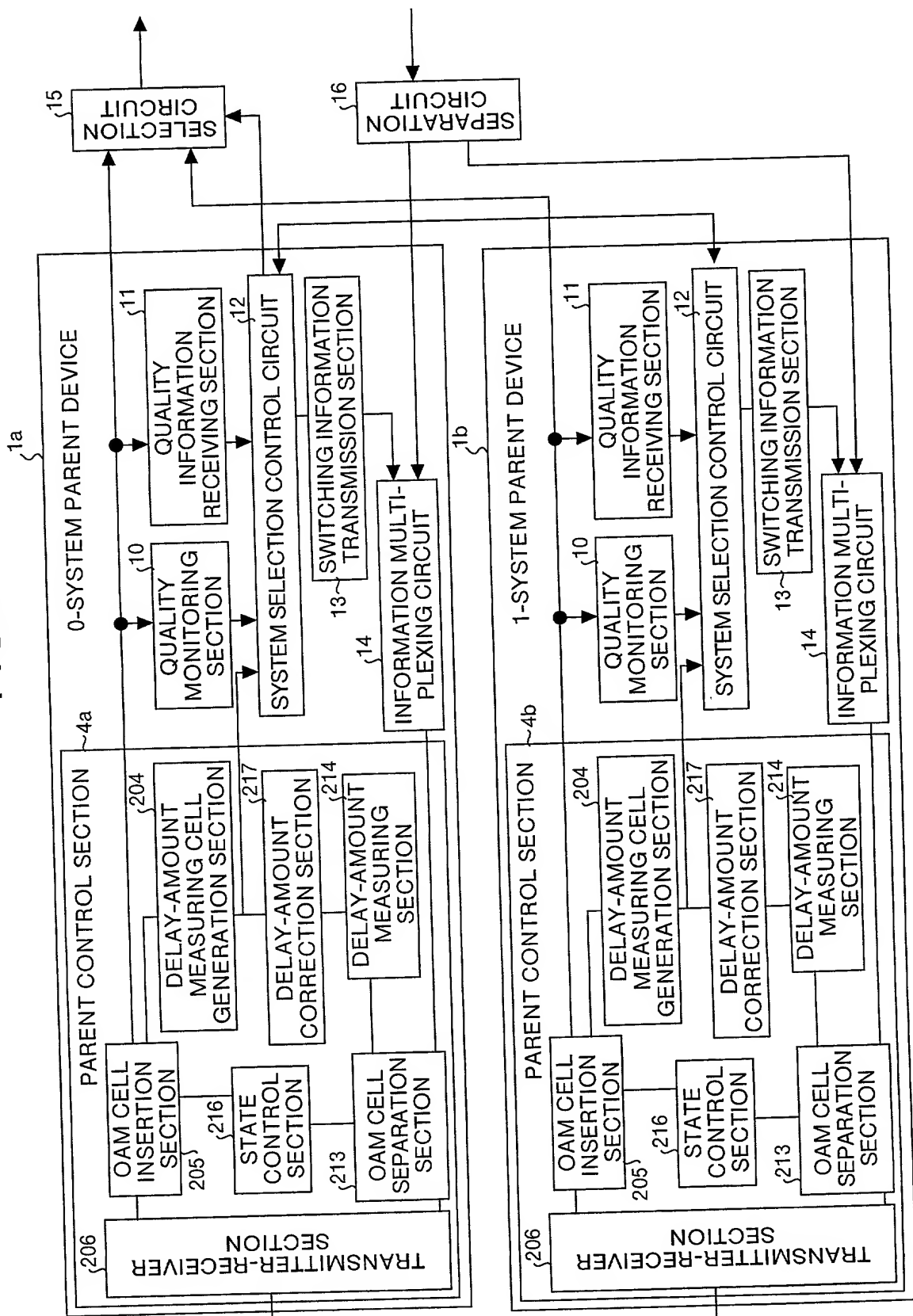
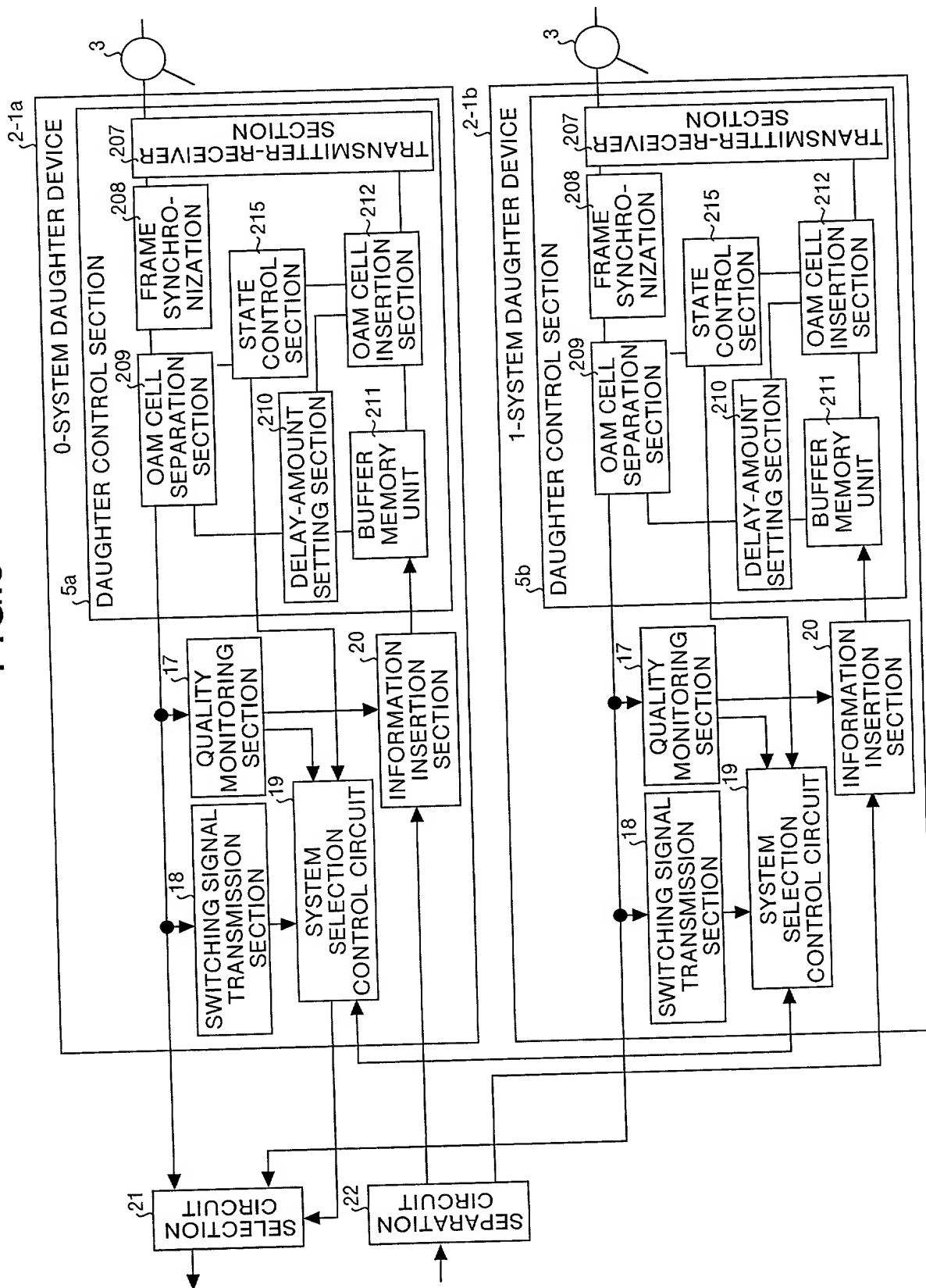


FIG.3



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FIG.5

STATE (0-SYSTEM) OR OF STATE OF EACH DAUGHTER DEVICE (1: OPERATIVE 0: FAILED)	STATE (1-SYSTEM) OR OF STATE OF EACH DAUGHTER DEVICE (1: OPERATIVE 0: FAILED)	SELECTED SYSTEM
1	1	PREVIOUS SYSTEM
0	1	1-SYSTEM
1	0	0-SYSTEM
0	0	PREVIOUS SYSTEM

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FIG.6

NUMBER	STATE (0-SYSTEM)	STATE (1-SYSTEM)	SELECTED SYSTEM
1	OPERATIVE	OPERATIVE	0-SYSTEM
2	OPERATIVE	OPERATIVE	0-SYSTEM
3	OPERATIVE	OPERATIVE	0-SYSTEM

FIG.7

NUMBER	STATE (0-SYSTEM)	STATE (1-SYSTEM)	SELECTED SYSTEM
1	FAILED	OPERATIVE	1-SYSTEM
2	OPERATIVE	OPERATIVE	1-SYSTEM
3	OPERATIVE	OPERATIVE	1-SYSTEM

FIG.8

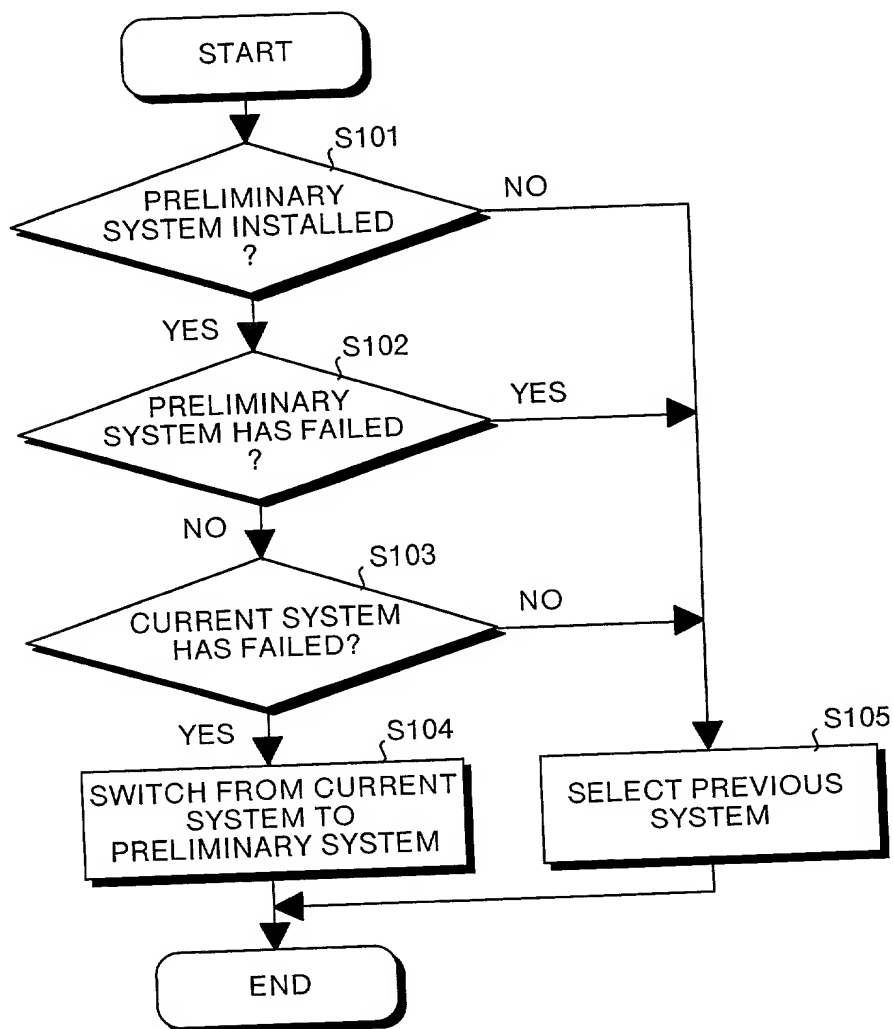


FIG.9

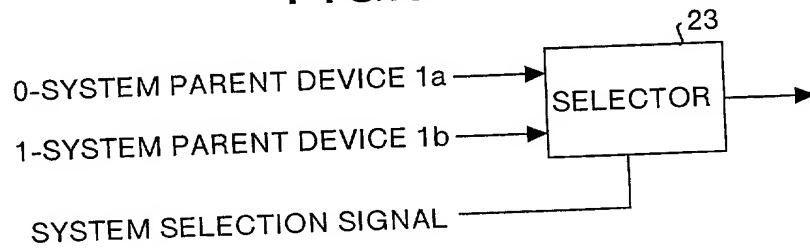


FIG.10

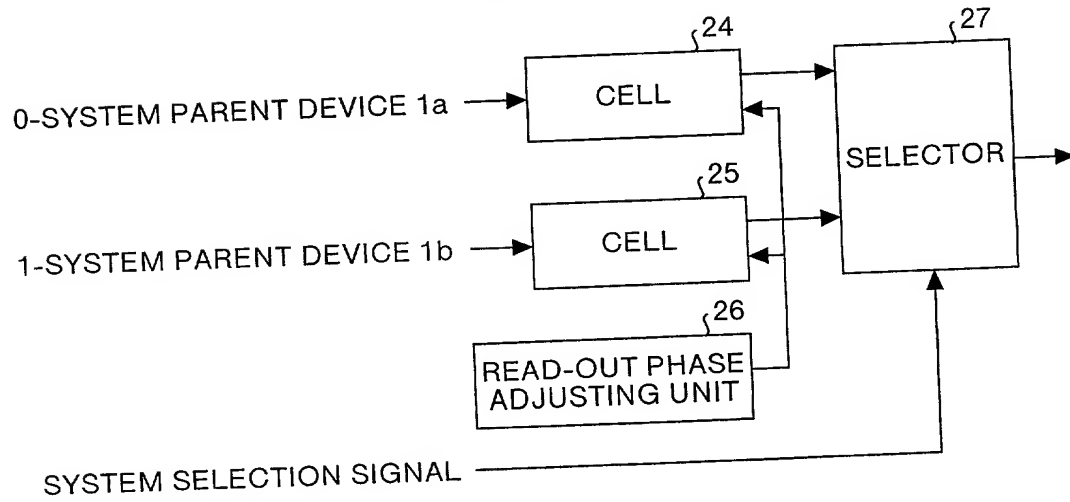




FIG.11

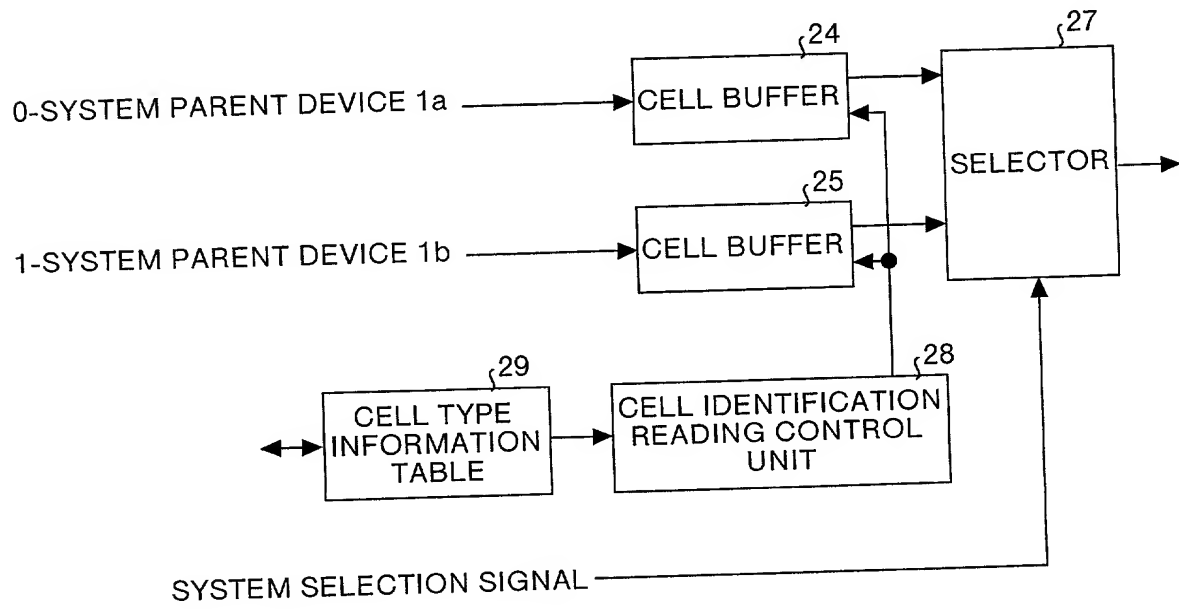
STATE (0-SYSTEM) (1: OPERATIVE 0: FAILED)	STATE (1-SYSTEM) (1: OPERATIVE 0: FAILED)	SELECTED SYSTEM
1	1	PREVIOUS SYSTEM
0	1	1-SYSTEM
1	0	0-SYSTEM
0	0	PREVIOUS SYSTEM

FIG.12

NUMBER	STATE (0-SYSTEM)	STATE (1-SYSTEM)	SELECTED SYSTEM
1	FAILED	OPERATIVE	1-SYSTEM
2	OPERATIVE	OPERATIVE	0-SYSTEM
3	OPERATIVE	OPERATIVE	0-SYSTEM

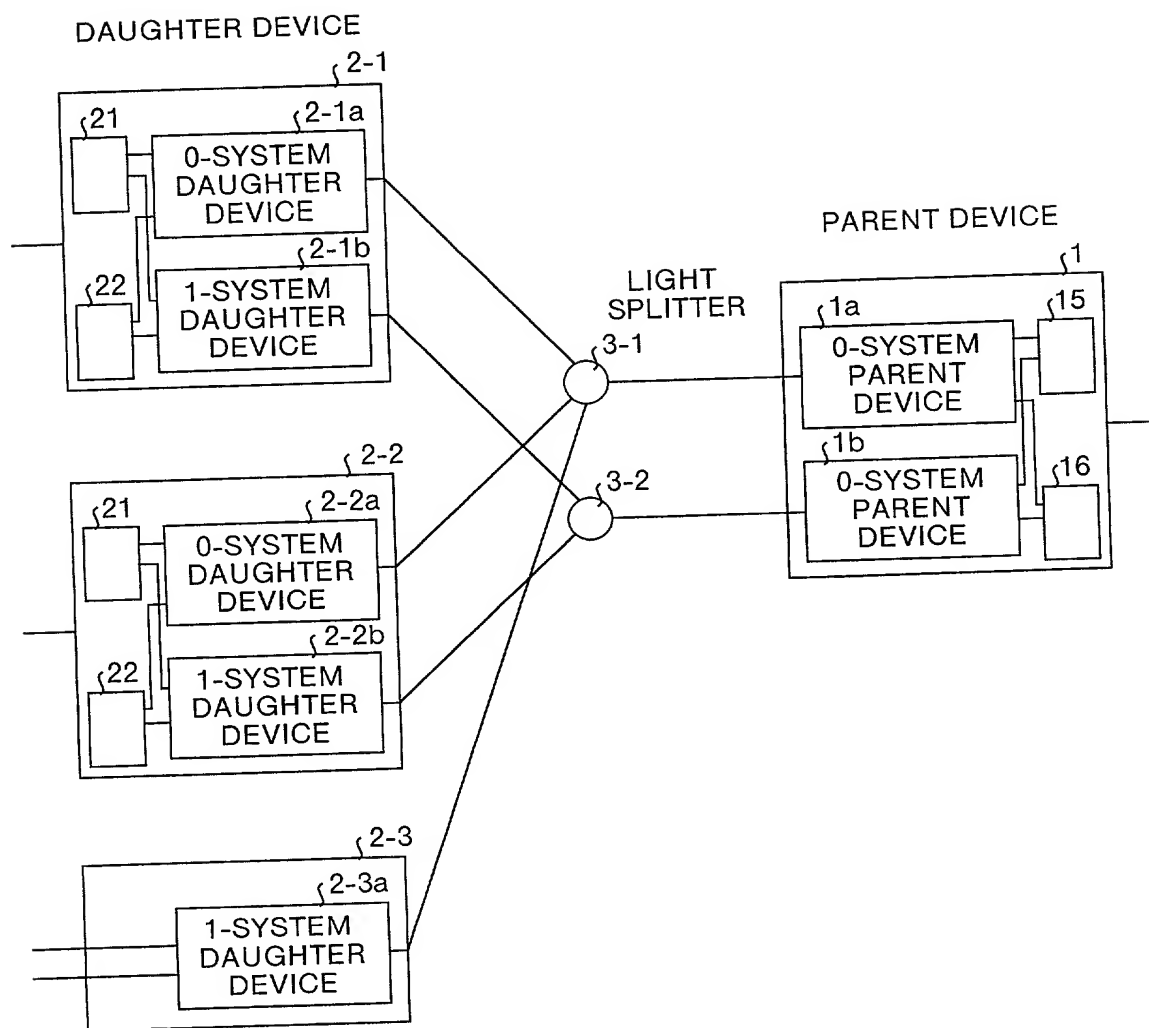
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FIG.13



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FIG.14



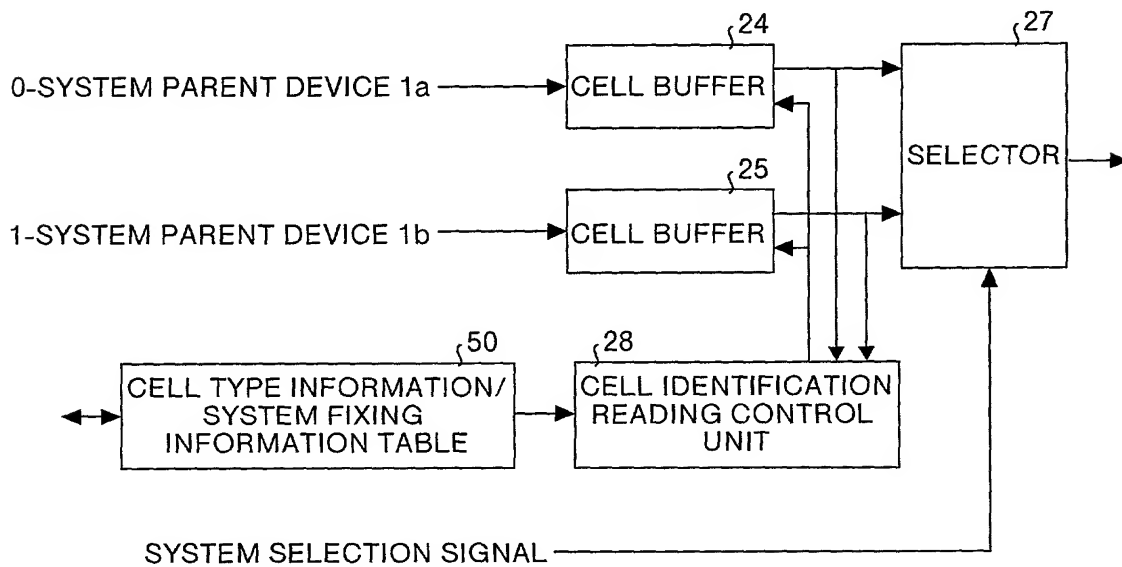
10048219-61284001

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FIG.15

NUMBER	STATE (0-SYSTEM)	STATE (1-SYSTEM)	SELECTED SYSTEM
1	FAILED	OPERATIVE	1-SYSTEM
2	OPERATIVE	OPERATIVE	0-SYSTEM
3	OPERATIVE	IGNORE	FIXED TO 0-SYSTEM

FIG.16



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FIG.17

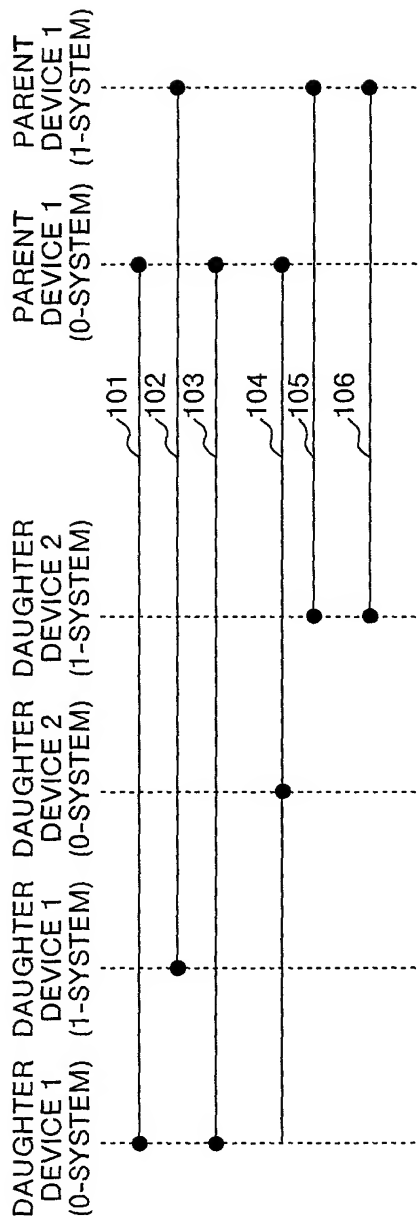


FIG.18

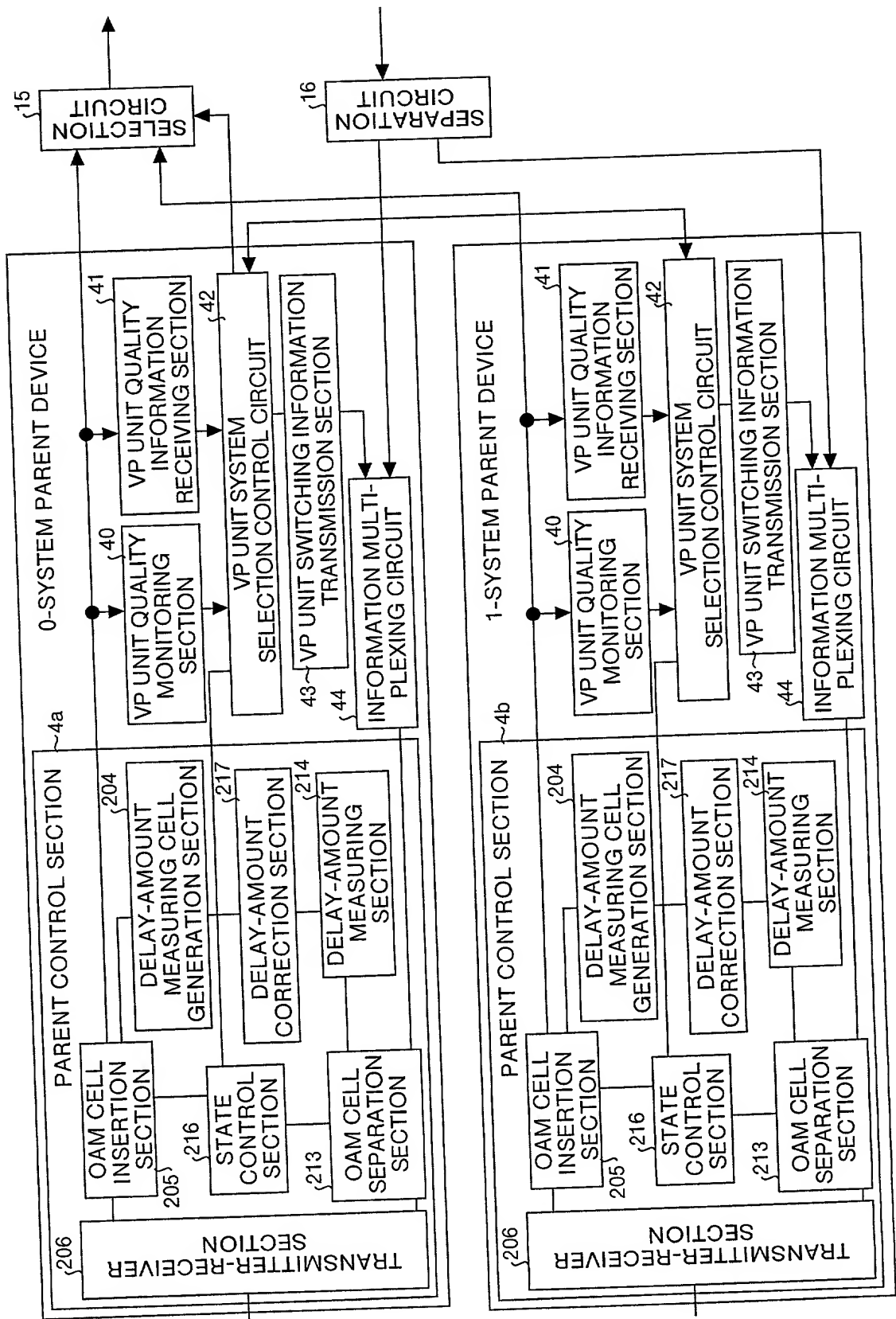


FIG.19

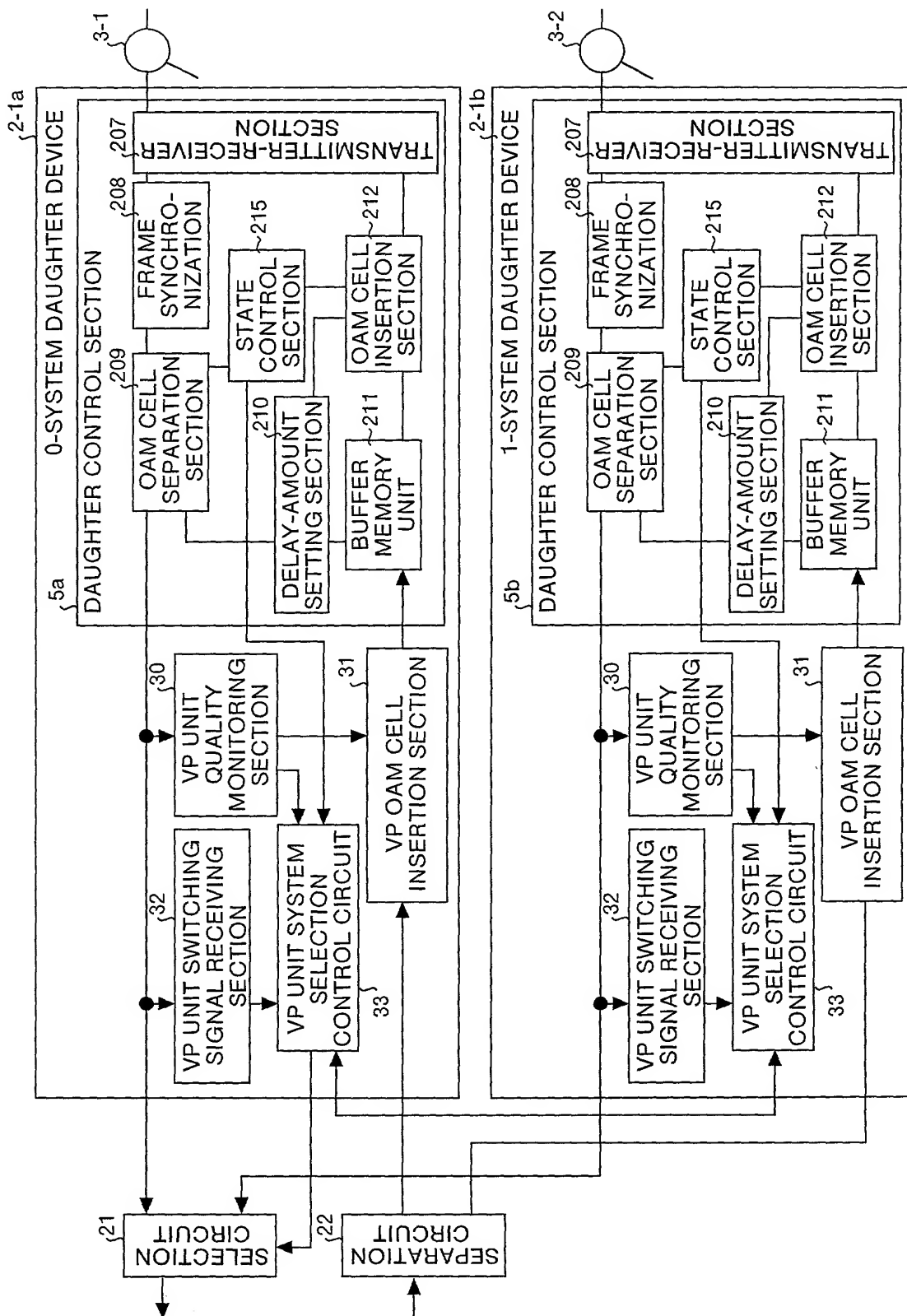


FIG.20

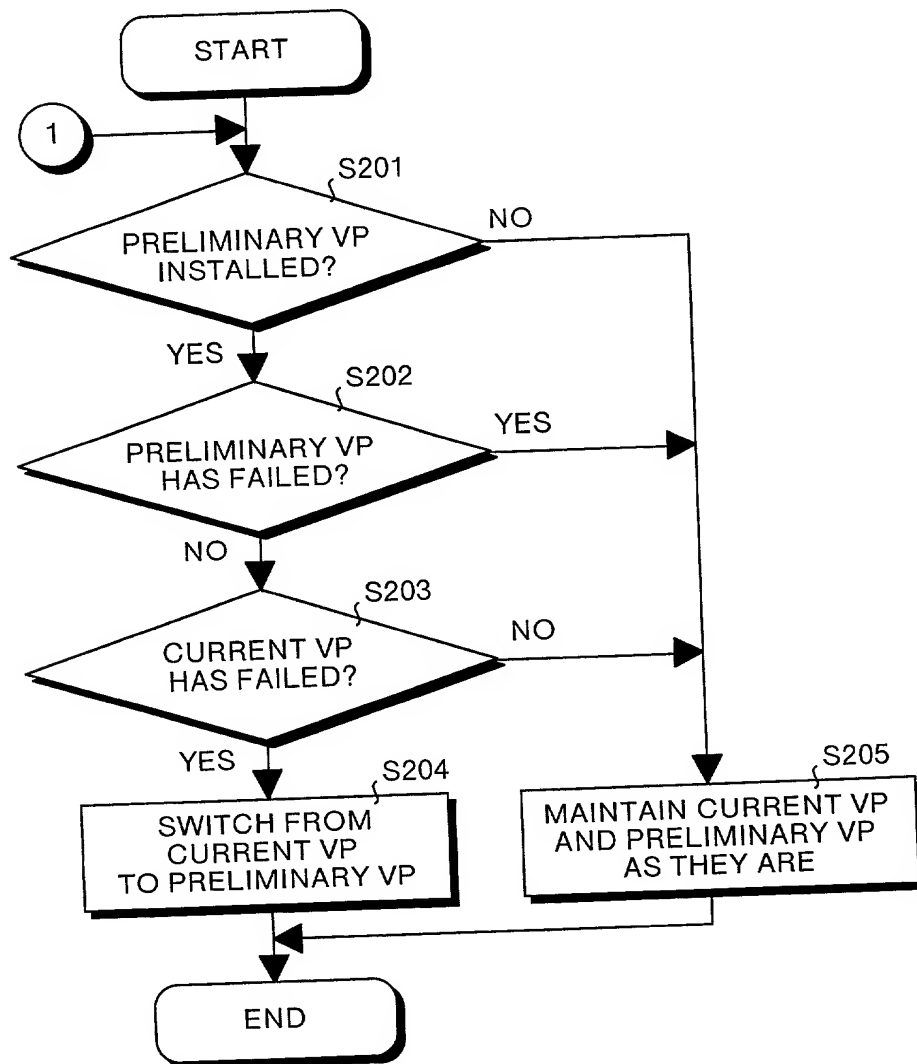




FIG.21

VPI NUMBER	VP STATE (0- SYSTEM)	VP STATE (1- SYSTEM)	SELECTED SYSTEM	SELECTION METHOD
1	FAILED	OPERATIVE	1-SYSTEM	SELECT NORMAL SYSTEM OR PREVIOUS SYSTEM
2	—	—	FIXED TO 0-SYSTEM	FIXEDLY SELECT SYSTEM THAT IS PATH SET
3	OPERATIVE	OPERATIVE	0-SYSTEM	SELECT NORMAL SYSTEM OR PREVIOUS SYSTEM
4	—	—	FIXED TO 1-SYSTEM	FIXEDLY SELECT SYSTEM THAT IS PATH SET

FIG.22

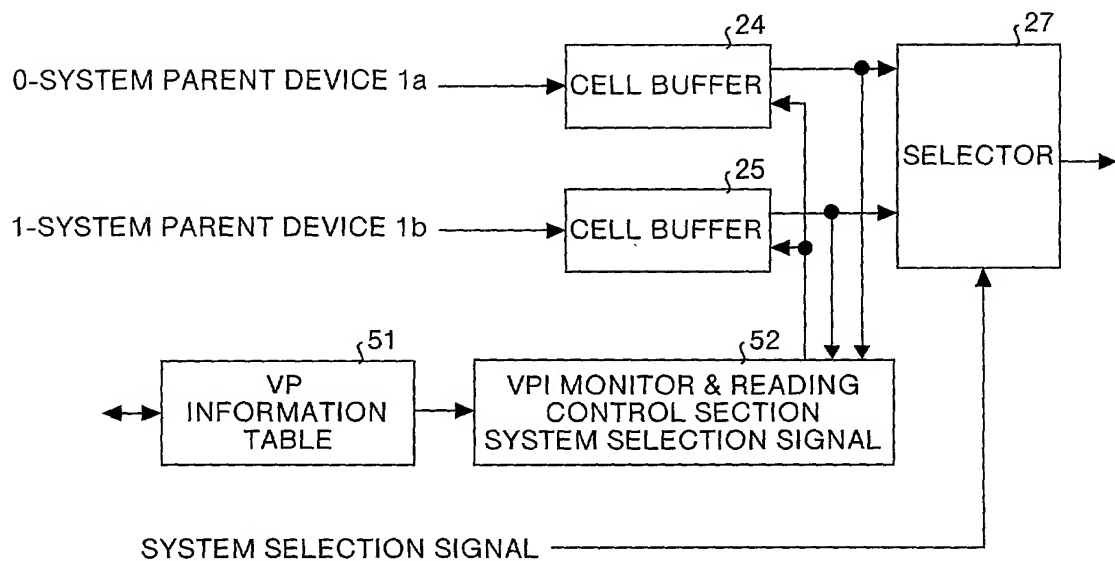
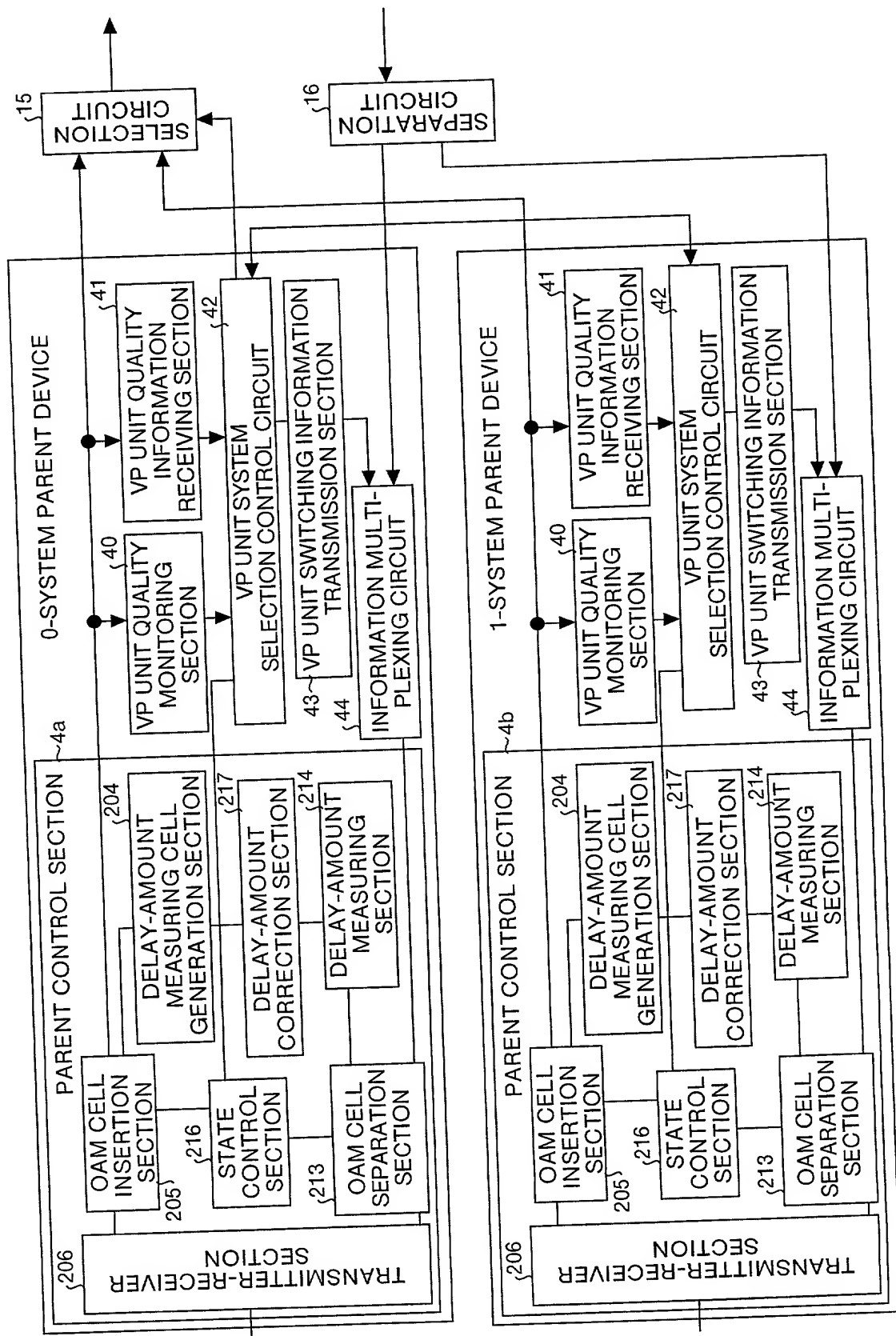


FIG.23



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FIG.24

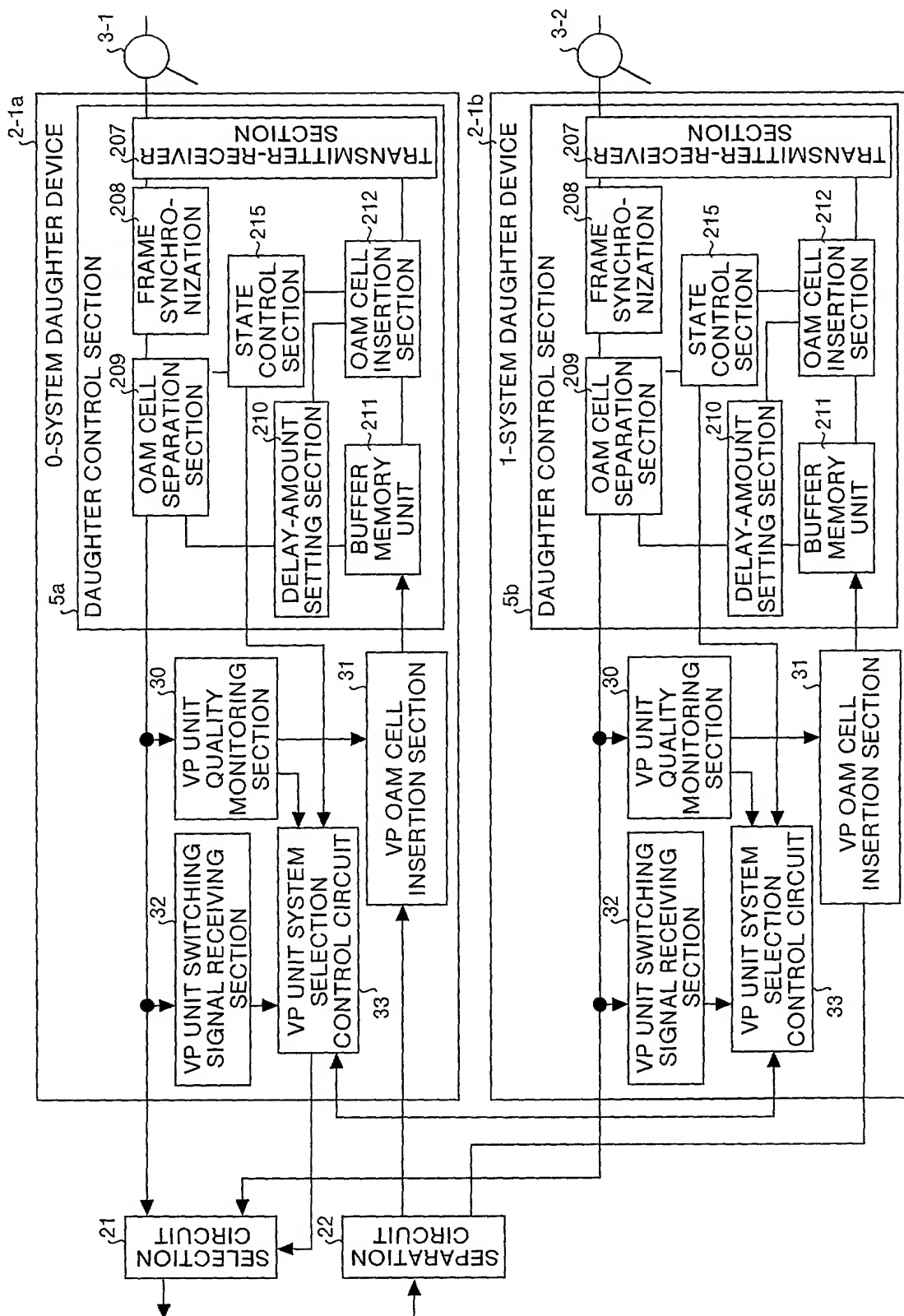


FIG.25

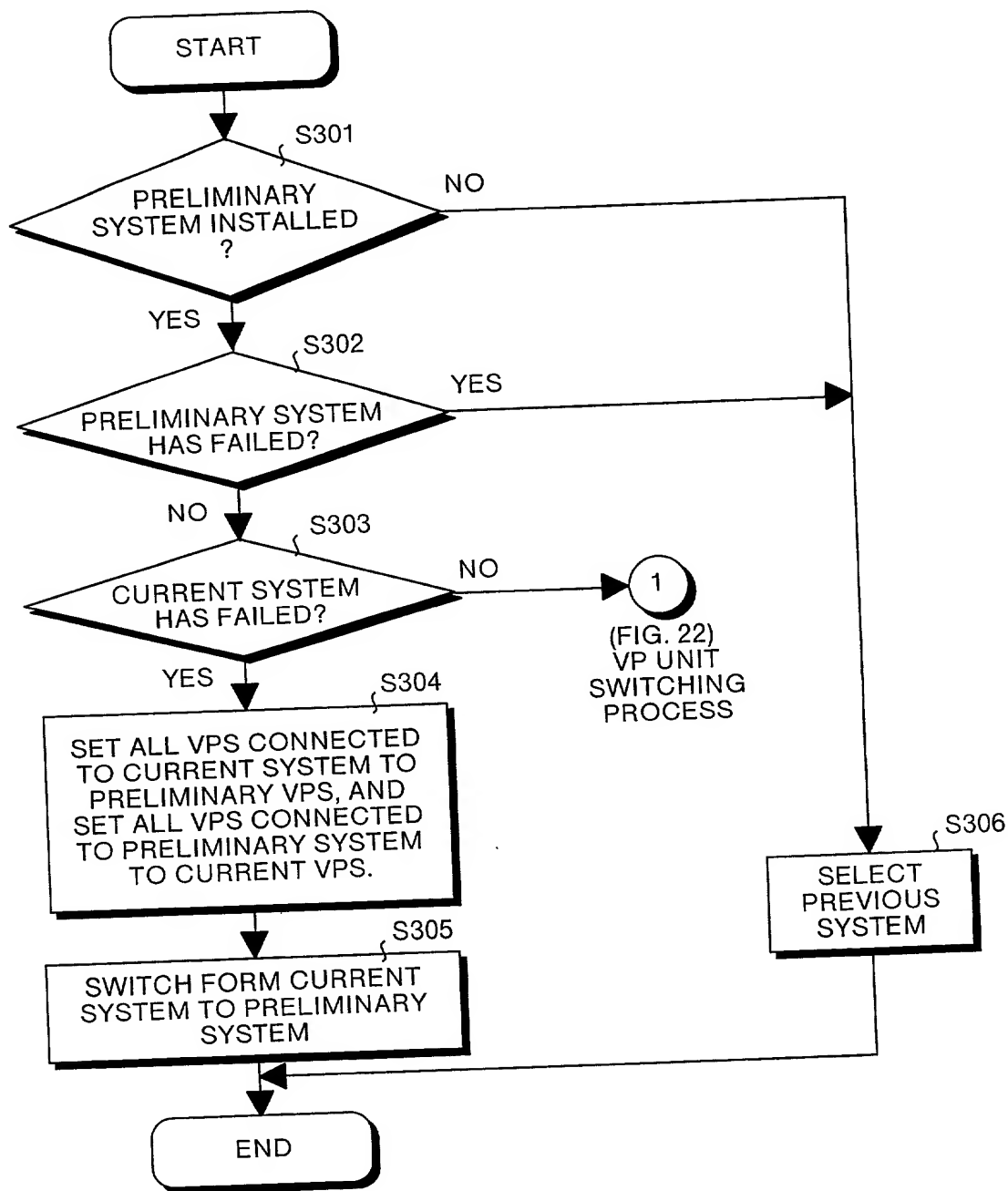


FIG.26

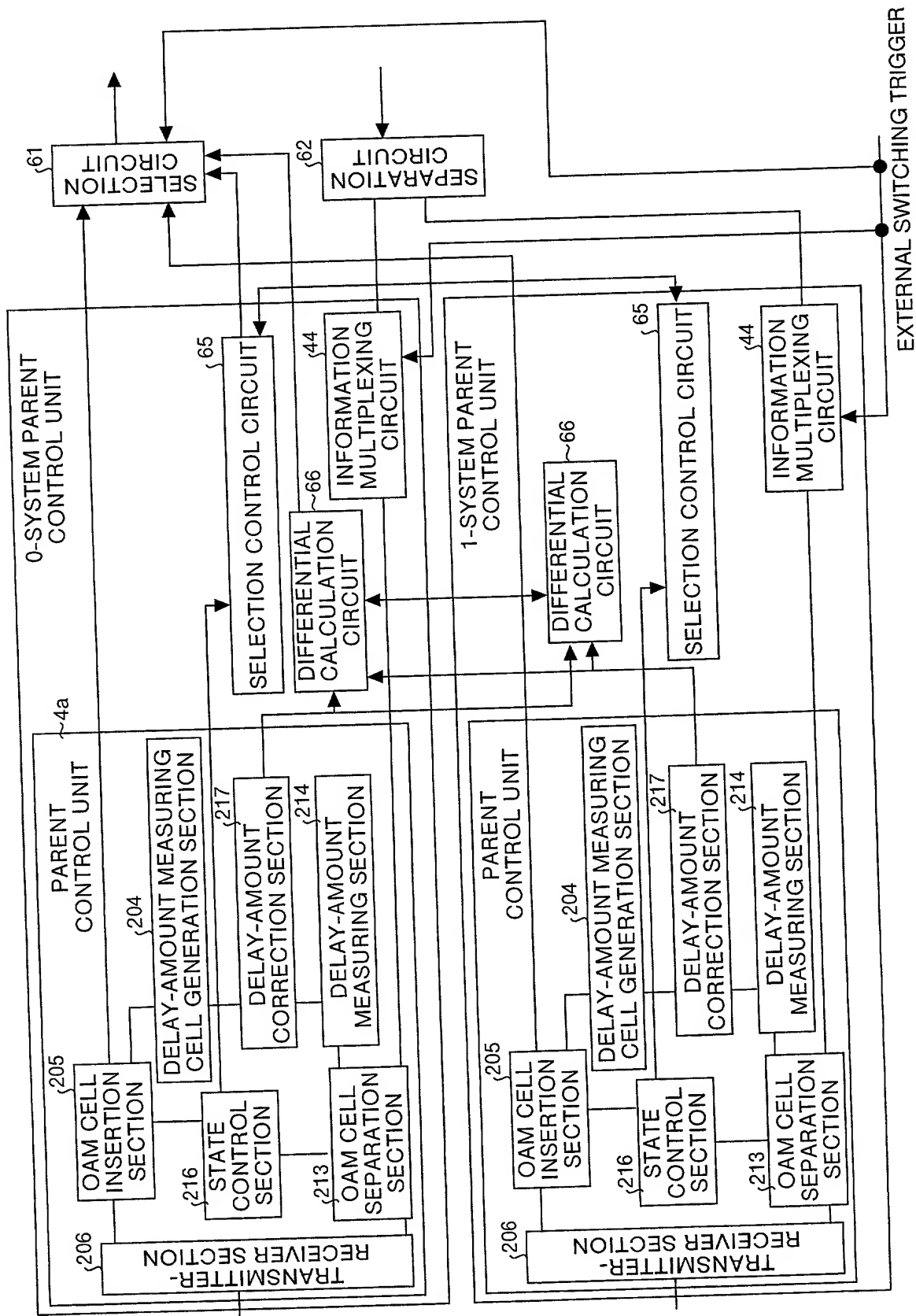


FIG.27

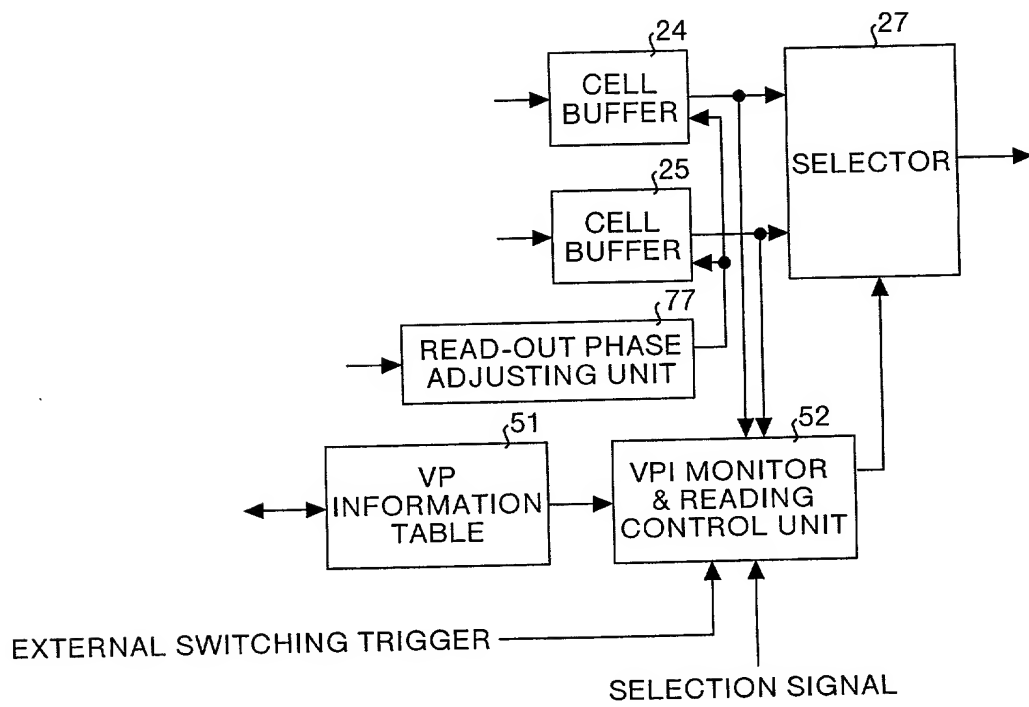


FIG. 28

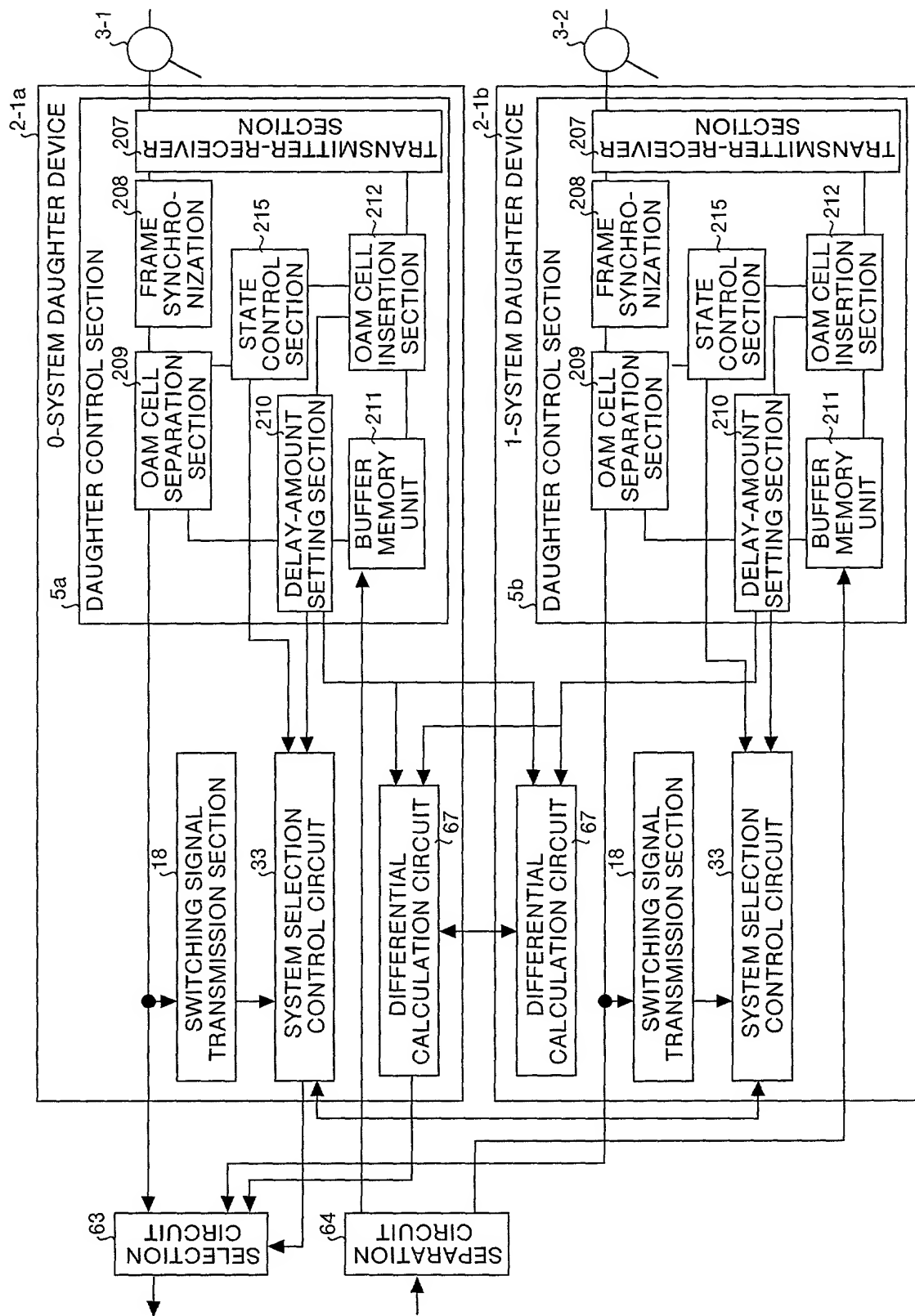


FIG.29

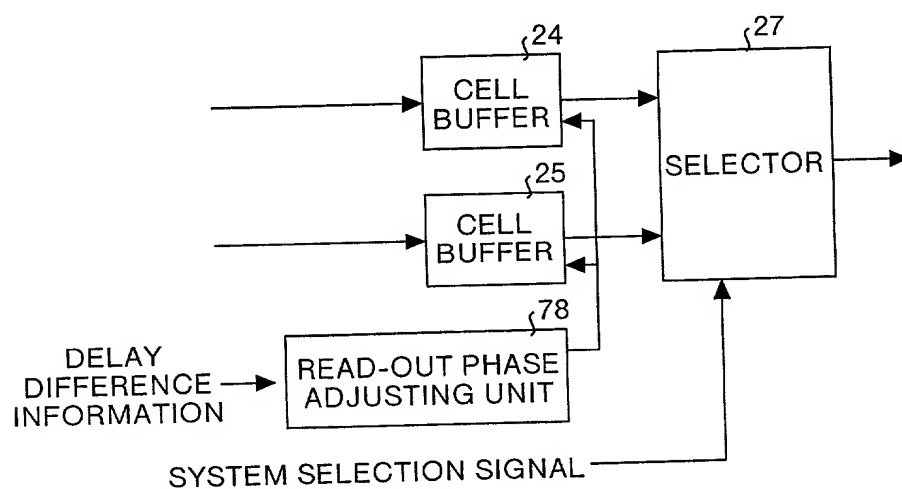


FIG.30

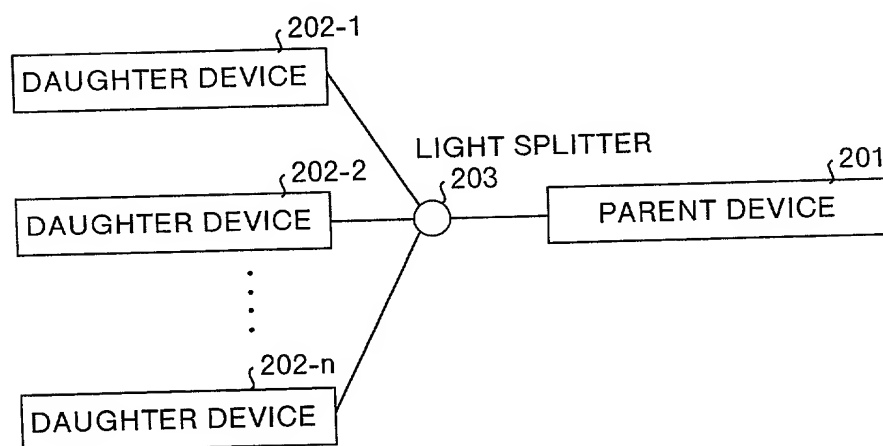




FIG.31

OPTICAL MULTI-BRANCH  
COMMUNICATION SYSTEM  
200

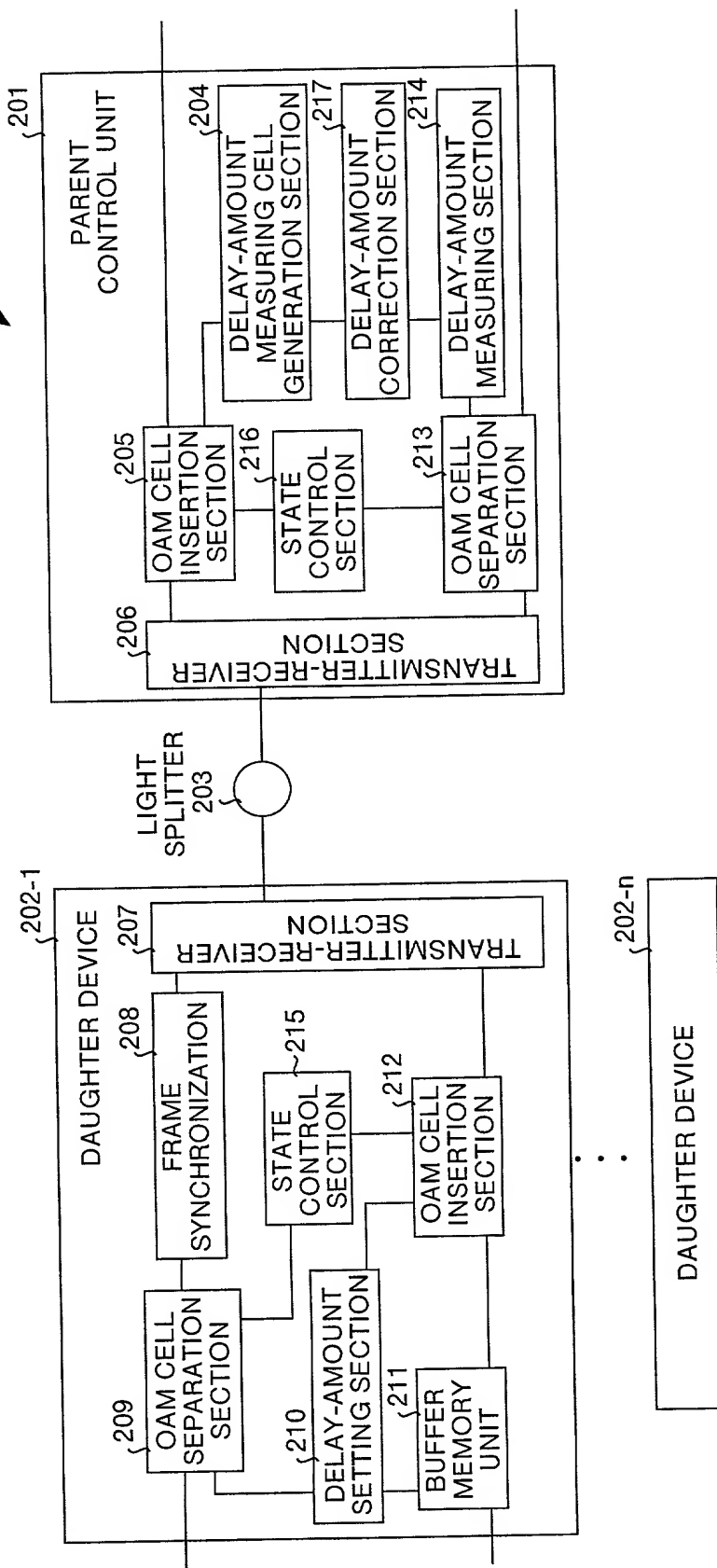


FIG.32

